

Shingles in Paving Demonstration Project

Advisory Group Charter

October, 2007

Preface

King County generates 17,000 tons of asphalt shingle waste each year, 16,000 tons of which are disposed in a landfill. In order to address this problem, King County Solid Waste Division's LinkUp program has made asphalt shingles a priority material for recycling and is working to develop new markets for it. To achieve this goal, LinkUp is working in the community to conduct a paving trial that incorporates tear-off asphalt shingles into hot mix asphalt (HMA).

The American Association of State Highway and Transportation Officials is currently reviewing a provisional specification for the use of reclaimed asphalt shingles as an additive in HMA. Eight states (CT, GA, MA, ME, MN, MO, NY, SC) currently allow for the use of tear-off shingles in paving projects either through state DOT specifications or Beneficial Use Determinations (BUDs) and there is increasing interest by other states to learn more and investigate whether to follow suit.

King County's LinkUp team has determined that the HMA market for asphalt shingles is the most promising end-market. A demonstration would provide needed information to state and local transportation officials about the potential for their future use of recycled asphalt shingles in HMA.

Problem Statement

A large quantity of asphalt shingles generated in King County is being disposed in landfills. Transportation officials in Washington do not have first-hand experience and the necessary information to consider allowing the use of asphalt shingles in HMA.

Objective

Provide input, feedback, comment on key decision points and recommendations, in an advisory capacity to the LinkUp team to help ensure a successful paving trial that incorporates recycled asphalt shingles.

King County's Advisory Group Sponsorship

The LinkUp program is the sponsor of this advisory group. Kris Beatty will lead the advisory group with support from her consultant team. As the sponsor, LinkUp commits to:

- Support the work of the advisory group.
- Give serious consideration to the recommendations of the advisory group.
- Facilitate advisory group meetings and follow-up.
- Represent advisory group feedback, input, advice, recommendations, etc to the project planning and implementation team.
- Provide direction or decisions on issues raised by the advisory group.

As the sustaining sponsor, the LinkUp program expects:

- To be informed if a problem occurs that is beyond the advisory group's or advisory group member's ability to address in a timely fashion.
- For advisory group members to make every effort to attend all advisory group meetings and participate in discussions, whether they be by phone, email or in-person.
- Advisory group members to go to Kris Beatty when additional clarity or direction is needed.
- The advisory group will work within the defined charter unless the LinkUp program has specifically agreed to make changes.
- The advisory group will work efficiently, making effective use of time and resources.

Scope

The advisory group will work within the following scope:

- The work of the team is expected to be completed by the end of Fall 2008, but may extend to 2009.
- The advisory group will comment on key project decision points and documents through email and up to three in person meetings.
- The advisory group will provide input and review on project design, testing, and findings through the following activities:
 - Reviewing project goals and criteria for selecting specific projects to best meet project needs
 - Reviewing national research and assessing additional informational needs, if any
 - Recommending potential projects, screening proposed projects against criteria, and selecting the demonstration project that best meets project needs
 - Reviewing project specifications and testing protocols for both recycled asphalt shingles (RAS) and hot mix asphalt (HMA)
 - Reviewing and providing input on testing results and overall project findings

Advisory Group Members

Team Member	Affiliation
Bill Brickey	Wilder Construction Company
Joe DeVol	WSDOT - State Bituminous Engineer
Jim Eagan	King County DOT - Managing Engineer, RSC/ESS, Construction & Countywide Projects
John Grisham	Woodworth & Company, Inc.
Ben Hansen	City of Seattle DOT
Rick Hess	Puget Sound Clean Air Agency
Kevin Kelsey	King County DOT
Dick Lilly	Seattle Public Utilities
Steven Read	SPU - Civil Engineer/Supervisor, Materials Lab
Merv Reykdal	American Roofing Recyclers
Gabriella Uhlar-Heffner	Seattle Public Utilities
Jeff Uhlmeyer	WSDOT - State Pavement Design Engineer
Jim Weston	WSDOT
Victor Woo	King County DOT – Engineer
John Yeasting	Glacier Recycle